

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	894	347/11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 14:12
S24	445	347/11.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/24 17:35
S25	188	347/11 and ((resonan \$4 or vibrat\$4 or natural or Helmholtz) Near2 (cycle or period or frequency))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/24 17:48
S26	16	347/11 and ((resonan \$4 or vibrat\$4 or natural or Helmholtz) Near2 (cycle or period or frequency))and ((sequential\$3 or successive or consecutive or sequence or succedent or succeeding or successional or succession) near2 (discharge or drop or propel\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/24 18:39

S27	16	347/10 and ((resonan\$4 or vibrat\$4 or natural or Helmholtz) Near2 (cycle or period or frequency))and ((sequential\$3 or successive or consecutive or sequence or succedent or succeeding or successional or succession) near2 (discharge or drop or propel\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/24 18:42
S28	3	347/20 and ((resonan\$4 or vibrat\$4 or natural or Helmholtz) Near2 (cycle or period or frequency))and ((sequential\$3 or successive or consecutive or sequence or succedent or succeeding or successional or succession) near2 (discharge or drop or propel\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/24 18:46
S29	55	"347"/\$\$\$ and((resonan\$4 or vibrat\$4 or natural or Helmholtz) Near2 (cycle or period or frequency))and ((sequential\$3 or successive or consecutive or sequence or succedent or succeeding or successional or succession) near2 (discharge or drop or propel\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/24 18:46
S49	1090	347/9.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/06 12:07

S50	54	347/9.ccls. and (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/06 12:13
S51	628	347/10.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/06 12:43
S52	95	347/10.ccls. and (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/06 12:43
S53	479	347/11.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/06 13:37
S54	79	347/11.ccls. and (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/06 13:38
S55	1380	347/15.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/06 14:27
S56	29	347/15.ccls. and (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/06 14:27

S57	2157	347/68.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/06 15:09
S58	113	347/68.ccls. and (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/06 15:09
S63	1	"347"/\$\$\$ccls. and (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) )with (( ink near drop)near2 (merg\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/22 09:30
S64	1	(((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) )with (( ink near drop)near2 (merg\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/22 09:31
S65	1	(((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) )same (( ink near drop)near2 (merg\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/22 09:31
S66	8	(((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) )and (( ink near drop)near2 (merg\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/22 09:31

S74	4121	347/9,10,11,15.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/06 17:17
S75	22	347/9,10,11,15.cds. and ( ( (merg\$4 or meet\$3 or combin\$3 or mix\$3 or collid\$3 or amalgamat\$3 or assimilate\$3 or swallow \$3 or blend\$3 or join \$4) with (drop or ink \$1drop or (ink near1drop) or drop\$1)) (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) ) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/06 17:18
S76	240	347/9,10,11,15.cds. and ( (merg\$4 or meet \$3 or combin\$3 or mix \$3 or collid\$3 or amalgamat\$3 or assimilate\$3 or swallow \$3 or blend\$3 or join \$4) with (drop or ink \$1drop or (ink near1drop) or drop\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/06 17:44
S77	51	347/9,10,11,15.cds. and((((merg\$4 or meet \$3 or combin\$3 or mix \$3 or collid\$3 or amalgamat\$3 or assimilate\$3 or swallow \$3 or blend\$3 or join \$4) with (drop or ink \$1drop or (ink near1drop) or drop\$1)) ( (large or medium or big or bigger or larger) near2 (drop or ink \$1drop or (ink near1drop) or drop \$1) ) ) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/05/06 17:48

S78	42	S77 not S75	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/05/06 17:48
S79	1	347/9,10,11,15.ccls. and((((merg\$4 or meet \$3 or combin\$3 or mix \$3 or collid\$3 or amalgamat\$3 or assimilate\$3 or swallow \$3 or blend\$3 or join \$4) with (drop or ink \$1drop or (ink near1drop) or drop\$1)) with ( (large or medium or big or bigger or larger) near2 (drop or ink\$1drop or (ink near1drop) or drop \$1) ) )same (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) ) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/05/06 18:01
S80	1	"347"/\$\$.ccls. and ((((merg\$4 or meet\$3 or combin\$3 or mix\$3 or collid\$3 or amalgamat\$3 or assimilate\$3 or swallow \$3 or blend\$3 or join \$4) with (drop or ink \$1drop or (ink near1drop) or drop\$1)) with ( (large or medium or big or bigger or larger) near2 (drop or ink\$1drop or (ink near1drop) or drop \$1) ) )same (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) ) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/05/06 18:02

S81	13	"347"/\$\$\$cccls. and (((merg\$4 or meet\$3 or combin\$3 or mix\$3 or collid\$3 or amalgamat\$3 or assimilate\$3 or swallow \$3 or blend\$3 or join \$4) with (drop or ink \$1drop or (ink near1drop) or drop\$1)) with ( (large or medium or big or bigger or larger) near2 (drop or ink\$1drop or (ink near1drop) or drop \$1) ) )and (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) ) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/05/06 18:02
S82	23	(((merg\$4 or meet\$3 or combin\$3 or mix\$3 or collid\$3 or amalgamat\$3 or assimilate\$3 or swallow \$3 or blend\$3 or join \$4) with (drop or ink \$1drop or (ink near1drop) or drop\$1)) with ( (large or medium or big or bigger or larger) near2 (drop or ink\$1drop or (ink near1drop) or drop \$1) ) )and (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) ) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/05/06 18:10
S83	10	S82 not S81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/05/06 18:10

S84	2	347/9,10,11,15.cds. and ((( (merg\$4 or meet\$3 or combin\$3 or mix\$3 or collid\$3 or amalgamat\$3 or assimilate\$3 or swallow \$3 or blend\$3 or join \$4) with (drop or ink \$1drop or (ink near1drop) or drop\$1)) with ( (large or medium or big or bigger or larger) near2 (drop or ink\$1drop or (ink near1drop) or drop \$1) ) ) and (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) ) ). CLM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/06 18:14
S85	1	347/9,10,11,15.cds. and ((( (merg\$4 or meet\$3 or combin\$3 or mix\$3 or collid\$3 or amalgamat\$3 or assimilate\$3 or swallow \$3 or blend\$3 or join \$4) with (drop or ink \$1drop or (ink near1drop) or drop\$1)) with ( (large or medium or big or bigger or larger) near2 (drop or ink\$1drop or (ink near1drop) or drop \$1) ) ) and (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) ) and (speed or velocity) ). CLM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/06 18:17



S86	1	<p>"347"/\$\$\$ccls. and          ((( (merg\$4 or meet\$3          or combin\$3 or mix\$3          or collid\$3 or          amalgamat\$3 or          assimilate\$3 or swallow          \$3 or blend\$3 or join          \$4) with (drop or ink          \$1drop or (ink          near1drop) or drop\$1))          with ( (large or          medium or big or          bigger or larger) near2          (drop or ink\$1drop or          (ink near1drop) or drop          \$1) ) )and (((resonance          or Helmholtz or          acoustic or specific) adj          (cycle or frequency or          period)) or (one\$2way          adj propagation) ) and          (speed or velocity) ).          CLM.</p>	<p>US-PGPUB;          USPAT;          USOCR; FPRS;          EPO; JPO;          DERWENT;          IBM_TDB</p>	OR	ON	2010/05/06 18:18
S87	1	<p>((( (merg\$4 or meet\$3          or combin\$3 or mix\$3          or collid\$3 or          amalgamat\$3 or          assimilate\$3 or swallow          \$3 or blend\$3 or join          \$4) with (drop or ink          \$1drop or (ink          near1drop) or drop\$1))          with ( (large or          medium or big or          bigger or larger) near2          (drop or ink\$1drop or          (ink near1drop) or drop          \$1) ) )and (((resonance          or Helmholtz or          acoustic or specific) adj          (cycle or frequency or          period)) or (one\$2way          adj propagation) ) and          (speed or velocity) ).          CLM.</p>	<p>US-PGPUB;          USPAT;          USOCR; FPRS;          EPO; JPO;          DERWENT;          IBM_TDB</p>	OR	ON	2010/05/06 18:18

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

S95	0	347/9,10,11,15.ccls. and ((( (merg\$4 or meet\$3 or combin\$3 or mix\$3 or collid\$3 or amalgamat\$3 or assimilate\$3 or swallow\$3 or blend\$3 or join\$4) with (drop or ink \$1drop or (ink near1drop) or drop\$1)) with ( (large or medium or big or bigger or larger) near2 (drop or ink \$1drop or (ink near1drop) or drop\$1) ) ) and (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) ) and (speed or velocity) ). CLM.	USPAT; UPAD	OR	ON	2010/05/06 18:18
S96	0	"347"/\$\$.ccls. and ((( (merg\$4 or meet\$3 or combin\$3 or mix\$3 or collid\$3 or amalgamat\$3 or assimilate\$3 or swallow\$3 or blend\$3 or join\$4) with (drop or ink \$1drop or (ink near1drop) or drop\$1)) with ( (large or medium or big or bigger or larger) near2 (drop or ink \$1drop or (ink near1drop) or drop\$1) ) ) and (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) ) and (speed or velocity) ). CLM.	USPAT; UPAD	OR	ON	2010/05/06 18:18

S97	0	((( (merg\$4 or meet\$3 or combin\$3 or mix\$3 or collid\$3 or amalgamat\$3 or assimilate\$3 or swallow\$3 or blend\$3 or join\$4) with (drop or ink \$1drop or (ink near1drop) or drop\$1)) with ( (large or medium or big or bigger or larger) near2 (drop or ink \$1drop or (ink near1drop) or drop\$1) ) ) and (((resonance or Helmholtz or acoustic or specific) adj (cycle or frequency or period)) or (one\$2way adj propagation) ) and (speed or velocity) ). QLM.	USPAT; UPAD	OR	ON	2010/05/06 18:19
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5/ 6/ 2010 8:35:28 PM

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